Multi-Purpose Public Display Solution

42" Wide VGA Plasma Monitor

State of the art, cost effective plasma monitor specially designed for indoor public display applications. The high class scaler, advanced digital video processing and the latest plasma technology guarantee optimal display of your message.

Operational flexibility
- Multiple video input formats up to SXGA and HDTV compatible
- Wide choice of analog and digital connectivity
- Built-in audio amplifier with SRS and speakers
- Portrait mounting possible
- Quiet and reliable fanless operation
- Monitor is network controllable for remote management
- Built-in tuner and extended video connectivity

Optimal Public Display front of screen experience
- High brightness (1000cd/m2) and 2000:1 contrast ratio
- Motion Adaptive De-interlacing for razor sharp images
- 3D combfilter separates colors for a razor-sharp image
- Turn your TV screen into a mosaic of different channels

PHILIPS

42 inch Plasma Monitor

BDS4221/00

Technical specifications

Picture/Display

- *Panel Size:* 42" / 106.7cm
- *Aspect ratio:* 16:9
- *Panel resolution:* wVGA (854 x 480 pixels)
- *Pixel pitch:* 1.08 x 1.08 mm
- *Brightness:* 1000 cd/m²
- *Contrast ratio:* 2000:1
- *Display colors:* 16.7 Million colors
- *Viewing angle:* 160 (H) / 160 (V)
- *Horizontal Scanning Frequency:* 15-91 kHz
- *Vertical Scanning Frequency:* 50 - 85 Hz
- *Picture enhancement:* 3D Combfilter, Picture in Picture

Supported Display Resolution

Resolution	Refresh rate
• *Computer formats*	
640 x 480	60, 72, 75, 85Hz
800 x 600	56, 60, 72, 75,85Hz
720 x 400	70Hz
1024 x 768	60, 70, 75, 85Hz
1280 x 1024	60Hz
• *Video formats*	
480i	60Hz
480p	60Hz
576i	50Hz
576p	50Hz
1080i	60Hz
1080i	50Hz
720p	50, 60Hz

- *MAC 640 x 480:* 67 Hz
- *MAC 832 x 624:* 75 Hz
- *MAC 1152 x 870:* 75 Hz
- *VGA 640 x 350:* 70 Hz
- *VGA 640 x 400:* 50 Hz
- *WVGA 852 x 480:* 60 Hz

Tuner/Reception/Transmission

- *TV system:* PAL, SECAM

Connectivity

- *PC:* DVI-D x1, RS232 D-Sub9, VGA-in D-Sub 15HD
- *Audio input for data:* Audio Left/Right (RCA) 2x
- *AV input:* Component (YPbPr) x1, Composite (CVBS) x1, S-video x1, SCART x1, Audio (L/R) for YPbPr x1
- *Audio input for video:* Audio Left/Right (RCA x 2)
- *Audio cinch out:* Analog audio output L/R
- *Other connections:* Antenna

Convenience

- *Picture in Picture:* Picture in Picture All Inputs, Double window
- RS232 controlability
- *Convenience Enhancements:* On-screen Display
- *OSD Languages:* English, French, German, Italian, Spanish
- *Monitor Controls:* Power On/Off, Menu (OK), Source Select, Up/Down, Left/Right
- DPMS power saving system
- *Built-in Audio:* Built-in amplifier and 5 Watts RMSx2 stereo speakers
- SRS sound processing
- *Teletext:* 10 pages
- *Screen saving functions:* Full white, pixel shift
- *Regulatory Approvals:* CE Mark, FCC-B, UL, CSA

Power

- *Consumption:* 380 +/-10% Watts (at 110Vac/ color bar pattern)
- *Power supply:* 100-240VAC, 50/60Hz
- *Sleep Mode:* 5 Watts Max.

Dimensions

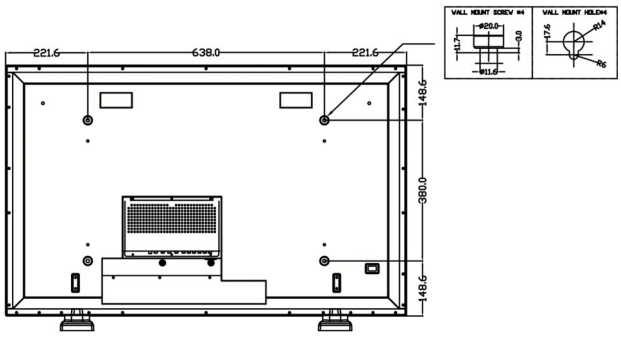
- *Dimensions (without base) (WxHxD):* 1081 x 677 x 95 mm
- *Dimensions (with base) (WxHxD):* 1081 x 722 x 291 mm
- *Weight:* 36.5 kg
- *Temperature Range (Operation):* 0 dgr C to +40
- *Temperature Range (Storage):* -5 dgr C to +50
- *Relative Humidity:* 20% - 80 %
- *Lifetime to 50% brightness:* 25000 hr

Accessories

- *Included Accessories:* AC Power Cord, Battery, Remote Control, Table top stand, VGA cable
- *Optional accessories:* Ceiling mount, Flexible wall mount, Fixed wall mount
- *User Manual:* Eng,Ger,Dut,Fre,Spa,Ita,Por

Miscellaneous

- *Bezel:* Silver



Product highlights

Network controllability: RS232
A system by which IT staff can control and adjust monitors remotely via RS232 protocol.

Motion adaptive de-interlacing
This smart de-interlacing algorithm is able to detect the type of video source (such as Still Picture, Motion Picture or Film) and automatically optimize the de-interlacing process with Spatial, Temporal or Film mode de-interlacing. The result is that it delivers razor sharp and stable images every time.

3D Combfilter
The 3D comb filter separates brightness and color signals better in 3D domain to eliminate cross-color, cross-luminance and dot-crawl distortion - all of which detract from your viewing pleasure. The 3D digital comb filter performs field-by-field comparisons of the television image to accurately separate the color from the black-and-white information and remove both horizontally and vertically hanging dots, as well as dot crawl. The result is a razor sharp image.

Multiple video input formats
In common use video content is often supplied in various formats in different resolutions and aspect ratios. Thus the content needs to be reformatted for optimal display on given screen resolution. A high class scaler guarantees optimal reformatting of any video format up to SXGA.

Portrait mounting possible
Some public display applications require portrait mounting. This display is also prepared for save and reliable mounting in portrait position.

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